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BOX PATENT APPLICATION Assistant Commissioner for Patents Washington, D.C. 20231

Re:

Filing of New U.S. Patent Application

Title: SYSTEM AND METHOD FOR PROVIDING CUSTOMERS WITH

SEAMLESS ENTRY TO A REMOTE SERVER Inventor: Robert Rosko and Kumar Ampani

Attorney Docket No.: 47004.00074

Dear Sir:

Attached is a new patent application for filing in the United States Patent and Trademark Office including (12) pages of Specification, (2) pages of Claims (numbered 1-15), (1) page Abstract, (5) sheets of Drawings (Figs. 1-3B), and an unexecuted Declaration.

The filing fee is calculated as follows:

|  |               | BASIC FILING  | FEE       | <i>AMOUNT</i> |
|--|---------------|---------------|-----------|---------------|
|  | No. of Claims | No. in Excess | Rate      | \$690.00      |
| Number of Claims in Excess of: 20      | 15            | 0             | \$ 18.00  | .00           |
| Independent Claims in Excess of: 3     | 2             | 2             | \$ 39.00  | .00           |
| First Presentation of Multiple Depende | nt Claims     |               | \$ 130.00 |               |
| Reduce by ½ for Small Entity           |               |               |           |               |
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A check in the amount of <u>\$690.00</u> is attached to cover the basic application filing fee. In the event of any variance between the amount enclosed and the Patent and Trademark Office charges, please charge or credit any difference to the undersigned's Deposit Account No. 50-0206.

# HUNTON & WILLIAMS

## **BOX PATENT APPLICATION**

Page 2

Please direct all communication concerning this application to the undersigned as follows:

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Respectfully submitted,

**HUNTON & WILLIAMS** 

Kerry H. Owens

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Dated: June 12, 2000

# SYSTEM AND METHOD FOR PROVIDING CUSTOMERS WITH SEAMLESS ENTRY TO A REMOTE SERVER

#### FIELD OF INVENTION

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The present invention relates to a method that provides customers of a host service provider with a seamless experience, allowing them to access remote network services, which typically require their own username, password, and session management application, via a single login to the host service provider.

### **BACKGROUND OF THE INVENTION**

A networked service provider may want to provide its customers with access to services that are not provided directly by its server. Therefore, the service provider may have to redirect its customer to another remote server capable of providing the service.

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For example, an Internet banking site may wish to provide its customers with a full range of banking services, e.g., opening and maintaining a checking account, applying for a credit card or loan, paying bills, or accessing brokerage or financial planning services. Each of these Internet banking services may be provided by an independent server that requires the user to enter a unique username (or ID) and password. Therefore, when a customer wishes to utilize a banking service that is provided by a remote server, after the Internet banking host server redirects the customer to the remote service provider, the customer must enter a new ID and password specific to that service. Given the broad range of services that an Internet bank may wish to provide, this places the burden of remembering and entering multiple usernames and passwords on the Internet banking customer. This is a significant drawback to the

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customer. This is also a significant drawback to the Internet banking host because customer dissatisfaction may result in lost accounts.

Furthermore, if the customer returns to the host provider after accessing a remote service provider, and then desires to return to the remote service provider, the customer must re-enter the same username and password for that service. For example, in the Internet banking context, if a customer decides to access his or her checking account, then utilize brokerage services, and then desires to return to his or her checking account, the customer must enter his or her unique username and password for the checking account service twice. This is a significant drawback.

In addition, a host service provider may wish to change the remote service providers that customers can access through its server. In the Internet banking context, for example, a host Internet bank may utilize a particular remote service to provide its customers with checking account services. For whatever reason, the host Internet bank may later wish to change the remote checking account service provider. This would require the Internet banking customer to create and remember a new username and password for the new remote service. Again, the burden of remembering an even greater number of IDs and passwords falls on the customer and the risk of losing those customers is borne by the host Internet bank. This is another significant drawback.

Other drawbacks to conventional approaches exist.

## SUMMARY OF THE INVENTION

An object of the present invention is to overcome these and other drawbacks in existing systems and methods.

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Another object of the present invention is to provide a specific time limit which a user can spend logged into the system.

Another object of the invention is to monitor the state of a user to determine whether the user is logged in or not.

Another object of the invention is to provide customers of a host service provider with a seamless experience enabling them to gain access to one or more remote service by entering a single username and password required by the host service provider.

Another object of the invention is to enable customers of a host service provider to regain access to a remote service provider, after having exited that remote server, without having to reenter the username and password required by that remote service provider.

Another object of the invention is to enable a host service provider to replace or add the remote services that a customer can access through the host service provider without placing the additional burden on customers to transpose a new username and password.

These and other objects of the invention are accomplished according to various embodiments of the invention. The present invention provides a seamless entry system that comprises a universal session manager. Users may connect to the host service provider with a unique username and password. Then, through a series of data exchanges, or handshakes, between the universal session manager, a validation database, and the remote service module, the customer may be transparently logged into remote service providers.

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In one embodiment, the present invention may comprise a method providing customers of a host service provider with access to remote service providers which require their own unique user IDs and passwords. Internet banking customers, for example, may utilize a browser system to connect to a host server providing a range of banking services. These services may include on-line bill paying, instant credit card applications, loan applications, or checking account services. Each service may be supported by a remote or distinct server.

According to the method, the customer first enters a username and password to gain access to the host service provider. During the connection to the host service provider, a validation module validates the customer's username and primary password. If the combination is valid, the validation module transmits data to the universal session manager of the host service provider indicating which services the customer is enrolled in and the unique username and password that have been generated for each remote service in which the customer is enrolled. The customer is then free to select one of these services, which may be provided by a remote service provider. If an Internet banking customer, for example, chooses to complete a loan application and this service is provided by a remote server requiring its own user ID and password, the universal session manager then passes the required user ID and password to the remote server's login module.

After the remote service provider receives the data required for login, the remote server transmits to the universal session manager the status of the login attempt. If the login is successful, the user is thus able to utilize the remote services with his/her web

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browser system without having entered a username or password particular to the remote service.

In another embodiment, the present invention may comprise a method for providing customers of a host service provider with access to remote service providers which require their own unique user IDs and passwords and have other special access requirements. For example, an Internet banking customer may utilize a browser system to connect to a host server providing a range of banking services with special access requirements. These secure services may include brokerage services. If after entering a valid username and password to the host service provider the customer chooses to utilize a remote brokerage service provider with special access requirements, a trusted server will act as an intermediary between the universal session manager of the host service provider and the remote brokerage system, for example. The trusted server will answer the login request of the banking site's universal session manager with a session ID extracted from a cookie placed on the user's browser by the trusted server. When the universal session manager receives the session ID, the customer may be redirected to the remote brokerage site.

### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 depicts a schematic diagram of a system according to an embodiment of the present invention.

Figures 2A and 2B depict a flow diagram illustrating a method according to an embodiment of the present invention.

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Figs. 3A and 3B depict an exemplary graphical user interface according to an embodiment of the present invention.

# DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

For purposes of illustration, a system and method according to an embodiment of the present invention are described below. That system is described as being part of an Internet based system that enables customers of an Internet banking system to access remote Internet banking services, which may require a unique username and password, having only entered a single username and password required by the host Internet banking system. The invention is described in terms of an Internet based bank providing a multitude of financial services, some of which are provided by remote providers. However, this embodiment is exemplary only. The invention finds application in any scenario involving a host site that includes links to distinct remote sites with their own separate login procedures. It should also be appreciated that the present invention could be implemented through a variety of networked environments, such as the telephone network, a satellite connection network, or any other system that provides information to a user in networked fashion.

For purposes of clarity and simplicity, the invention is described in terms of the existing Internet. The skilled artisan will recognize that the invention could be implemented in variations thereto, such as the so-called Internet Protocol Next Generation (IPng) or any other variations of networked packet-switched technology.

An embodiment of a system for implementing the methods disclosed below is depicted in Fig. 1. It should be understood that other embodiments for carrying out the present invention may also be provided. In the exemplary embodiment of Figure 1, a

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plurality of users or customers 20 may be connected using networking technology 10 to a host service provider 50. In this embodiment, the customers 20 may connect to a host service provider 50 that is an Internet banking service site over the Internet 10, although the network may comprise a cable network, a LAN, a WAN, an intranet, the Supernet, or any other network that allows transmission of information.

Host service provider 50 may comprise a plurality of modules that function to perform the functions described above in addition to other functions set forth below. Although separate modules are described for performing these functions, it should be understood that additional modules may also be provided and that modules may be combined.

According to an embodiment of the invention, host service provider 50 may comprise a universal session manager 52 and a validation database 60. The universal session manager 52 may communicate with one or more databases 60 in communication with the host service provider 50. The database(s) 60 may store information required for login to remote sites or registration for the services those sites provide.

According to an embodiment, the remote service provider may comprise a registration module 32 and a login module 34.

A registration module 32 may receive data from the universal session manager 52 necessary for customer 20 registration with the remote service provider 30.

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A login module 34 may communicate with the universal session manager to receive the information required for access to the remote service provider, e.g., username and password. The login module 34 may also reply to the universal session manager 52 indicating the status of the login request.

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The system may also comprise a trusted service module 70 and a trusted service provider 80. The trusted service module 70 acts as an intermediary between the universal session manager 52 and the trusted service provider 80. The trusted service provider 80 is a remote service with special access requirements in addition to a unique username and password.

Referring now to the method depicted by Figures 2A and 2B, in step 125 the customer 20 employs a browser 22 to contact a host internet banking service provider 50. In step 150, a customer transmits a personal username and password to the universal session manager 52 of the host service provider 50. The host service provider 50 may comprise a server system connected over the World Wide Web or Internet 10 to provide web-pages upon request from one or more users utilizing a web browser 22.

Accordingly, step 150 may comprise a customer using a browser 22 to connect over the Internet 10 to a web-site that provides Internet banking services, for example. Use of exiting browser/server technology may be used to transmit the username and password to the host service provider 50.

In response to the customer's transmitting a username and password to the universal session manager 52, in step 150, the universal session manager 52 of the host service provider 50 transmits the username and an encrypted version of the password to the validation database 60, as in step 200. In step 250, the validation module checks to make sure that the user has entered a valid username/password combination. If the username is not recognized by the validation module, as in step 325, or if the username and password do not match, as in step 350, the user will be asked to re-enter his or her username and password, as in step 150. The customer 20 of the Internet banking system

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50 of Figure 1 may be allowed three attempts to enter a correct username/password combination. Once the customer 20 has entered a valid login 300, the database 60 will return to the universal session manager 52 the information necessary for the transparent login to the remote service 30, as in step 400. As previously described, the information may comprise the type of the Internet banking services in which the customer 20 is enrolled and/or the user ID particular to that user and required by a remote banking service web site. The information may also include identifying information necessary e-mail. Additionally, the information may include data necessary for profiling a dynamic application form related to user-selected products and services.

In step 450, the customer may select a link to one of the remote services 30 provided through the host service provider 50. In the present embodiment, for an Internet based banking system, these services may include checking account maintenance, credit card and loan applications services, electronic bill paying, and brokerage services. These services may also include Internet search engines, other web sites that offer membership services, e-mail services, or campaign advertising.

In step 500, the universal session manager 52 checks the validation database 60 return data to see of the customer has enrolled in the service. If the customer is enrolled in the selected service, the present embodiment initiates the triple handshake protocol 600. In the first step 625 of the triple handshake protocol 600, the universal session manager 52 may send the required customer username and password to the login module 34 of the remote service provider. This may comprise the universal session manager 52 of an Internet banking service provider 50 sending redirects to remote service web sites

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30, which may include on-line checking, on-line brokerage, on-line credit card application or online bill paying sites.

In the second step 650 of the triple handshake protocol 600, the login module 34 of the remote service module 30 sends the universal session manager 52 a reply indicating the status of the login request. The status may indicate that the login attempt to the remote service provider 30 was successful 725, that the login attempt failed 675, or that the customer has never registered for the service before, i.e., is unknown 700. This step may comprise the login module 34 sending redirects over the Internet 10 to the universal session manager 52 of the host Internet banking provider's web site 50.

In the final step of the triple handshake protocol 750, the universal session manager 52 directs the customer to the remote service provider 30. In the present embodiment, this may comprise the universal session manager 52 of an Internet banking web site 50 redirecting the customer to the selected remote services' web site 30.

The information may be displayed to the customer as depicted in Figure 3. The Internet banking host service provider may have control of the outer frame and the top navigational bar. The various services' web pages will be hosted in the main bottom panel and may contain a left-hand navigation bar for local remote service navigation.

In step 500, if the universal session manager 52 determines that the customer is not registered for the selected service the universal session manager 52 will transparently register the customer for that service. Transparent registration may require that the universal session manager 52 contact the validation database 60 to retrieve the information necessary for registration, as in step 525. This may include providing a unique username and password designated for use only with the selected service. Then

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the universal session manager 52 sends data to the registration module 32 of the remote service provider's web site, as in step 550. The remote service 30 then confirms the customer's registration, as in step 575. Then, the universal session manager 52 initiates the triple handshake protocol 600. In the present embodiment, transparent registration may be accomplished by a series of redirects between the universal session manager 52, the validation database 60, and the registration module 32 of the remote service provider 30.

In another embodiment of the present invention, the customer may choose an Internet banking service, e.g., a brokerage service, that has special access requirements in addition to a unique username and password. If the customer is enrolled in the selected service, the present embodiment initiates trusted server dedicated line redirection.

In step 800, the trusted service module 70 makes a direct call to the trusted service provider 80. This may comprise a trusted brokerage server 70 established by an Internet banking service 50 providing a secure brokerage service 80 with the login redirects over a dedicated line.

In step 825, the trusted service provider 80 responds to the trusted service module 70 in the form of an html response with a session ID associated with it. This may comprise a brokerage system 80 responding to a trusted brokerage server 70 in html form over a dedicated line.

The trusted service module 70 will send this "cookie" to the user's network data acquisition module 22, after reading the Session "cookie" and extracting sessionID. This may comprise a trusted brokerage server 70 placing this "cookie" on the customer's Internet browser 22.

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The trusted service module 70 next answers the universal session manager 52 with the status of the login attempt and the sessionID extracted from the cookie. Once the universal session manager 52 receives this data, if the login attempt was successful, the customer will be directed to the trusted service provider 80, as in step 750. This may comprise, the universal session manager 52 of an Internet banking service provider 30 receiving data from a trusted brokerage server 70 and then redirecting the Internet banking customer 20 to a brokerage service provider 80.

During a session, if a customer 20 remains logged in, but no activity occurs, the universal session manager 52 performs a data security function by causing customer 20 to automatically logout. In a preferred embodiment, this timeout occurs after about thirty minutes of inactivity.

Figs. 3A and 3B provide an exemplary graphical user interface. Fig. 3A illustrates a screen that may be provided when a user 20 initially attempts to access host server 50. The user 20 is prompted to enter a user name and password, or alternatively to create a new user name and password to be granted seamless access to pertinent applications.

If the user 20 elects to create a new user name and password, access is granted upon the user's submission of data requested in Fig. 3B.

Additional advantages and modifications will readily occur to those skilled in the art. Therefore, the invention in its broader aspects is not limited to the specific details in representative devices shown and described herein. Accordingly, various modifications may be made without departing from the spirit and scope of the general inventive concept as defined by the appended claims.

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#### **CLAIMS**

What is claimed is:

1. A method for accessing a remote service provider across a network through a host service provider, the method comprising the steps of:

receiving a username and password from a user;

retrieving data for accessing a remote service provider based at least in part on the received data;

transmitting said data to the remote service provider; and directing the user to the remote service provider.

2. The method of claim 1, further comprising the step of connecting to a trusted service provider having special access requirements, wherein

a trusted service module acts as an intermediary between the host service provider and the trusted service provider.

- 3. The method of claim 2, wherein the trusted service module receives a sessionID from the trusted service provider.
- 4. The method of claim 3, wherein the trusted service module places a text file on the user's network data acquisition module.
- 5. The method of claim 4, wherein said text file comprises a cookie.
- 6. The method of claim 1, further comprising the step of registering the user with the remote service provider.
- 7. A system for accessing a remote services provider via a single login to a host service provider, comprising:

a user system having network data acquisition module;

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a remote service provider;

a host service provider; and

a universal session manager for receiving a user's ID and password and passing data required for access to said remote services provider.

- 8. The system of claim 7, further comprising a validation database storing information for accessing the remote service provider
  - 9. The system of claim 8, said validation database further storing information for registering the user with the remote services provider.
  - 10. The system of claim 7, further comprising a trusted service module that serves as an intermediary between the host service module and a trusted service provider.
  - 11. The system of claim 10, wherein said trusted service provider is a remote service provider with special access requirements.
  - 12. The system of claim 7, wherein the network data acquisition module is an Internet browser.
  - 13. The system of claim 7, wherein the remote service provider further comprises a registration module and a login module.
  - 14. The system of claim 13, wherein the login module receives the data for gaining access to the services provided by the remote service provider.
- 15. The system of claim 13, wherein the registration module receives the data for registering a user with the remote service provider.

#### **ABSTRACT**

The present invention provides a seamless entry system that comprises a universal session manager. Users connect to the host service provider with a unique username and password. Then, through a series of data exchanges between the universal session manager, a validation database, and the remote service module, the customer may be transparently logged into remote service providers. Internet banking customers utilize a browser system to connect to a host server providing a range of banking services supported by a remote or distinct server. According to the method, the customer first enters a username and password to gain access to the host service provider. The universal session manager transmits data required for login to the remote service provider. The user is thus able to utilize the remote services with his/her web browser system without having entered a username or password particular to the remote service.

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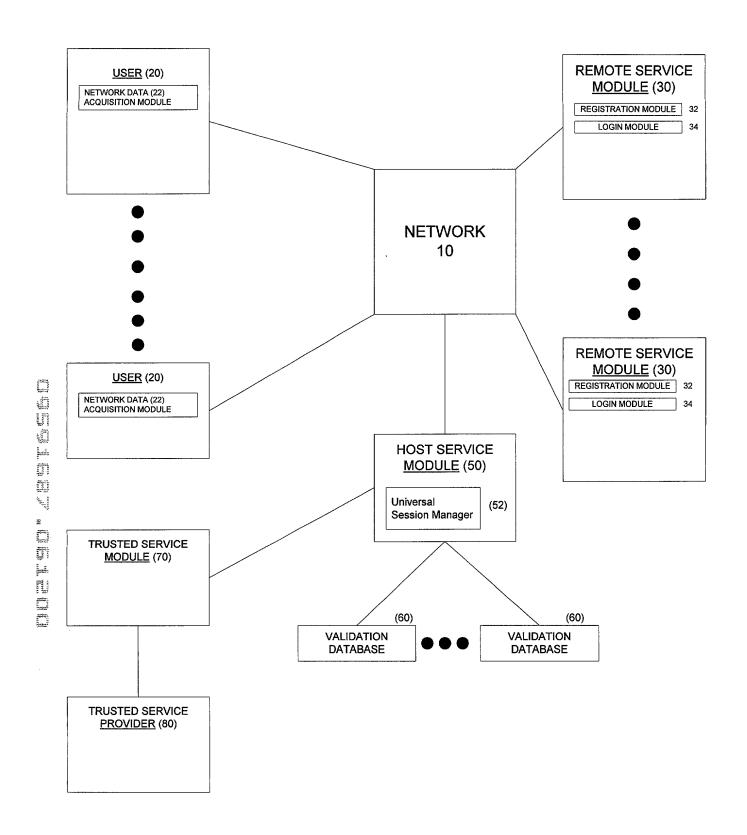
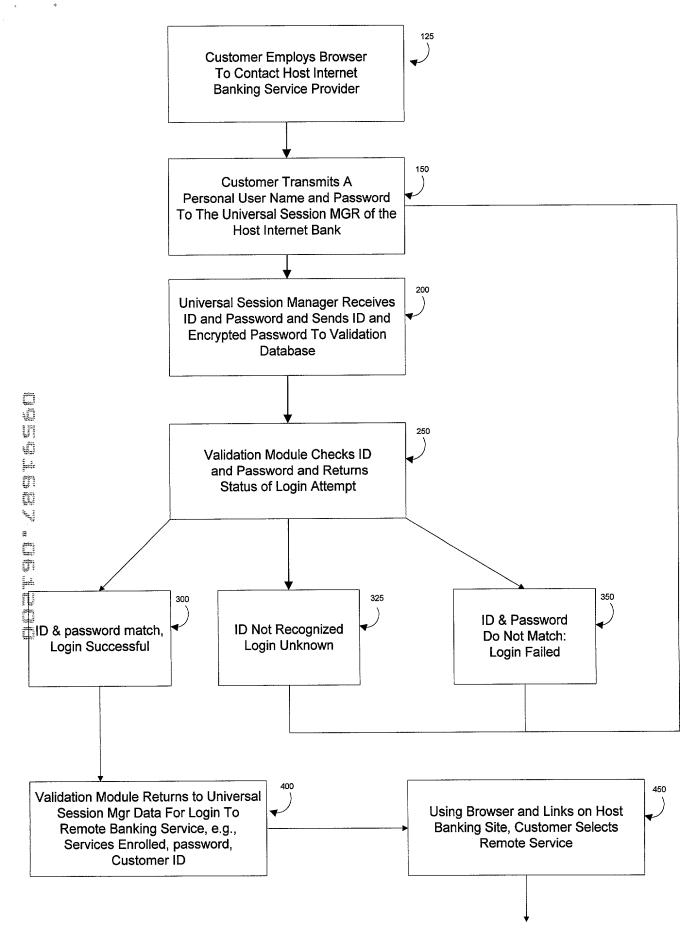


FIGURE 1



**FIGURE 2A** 

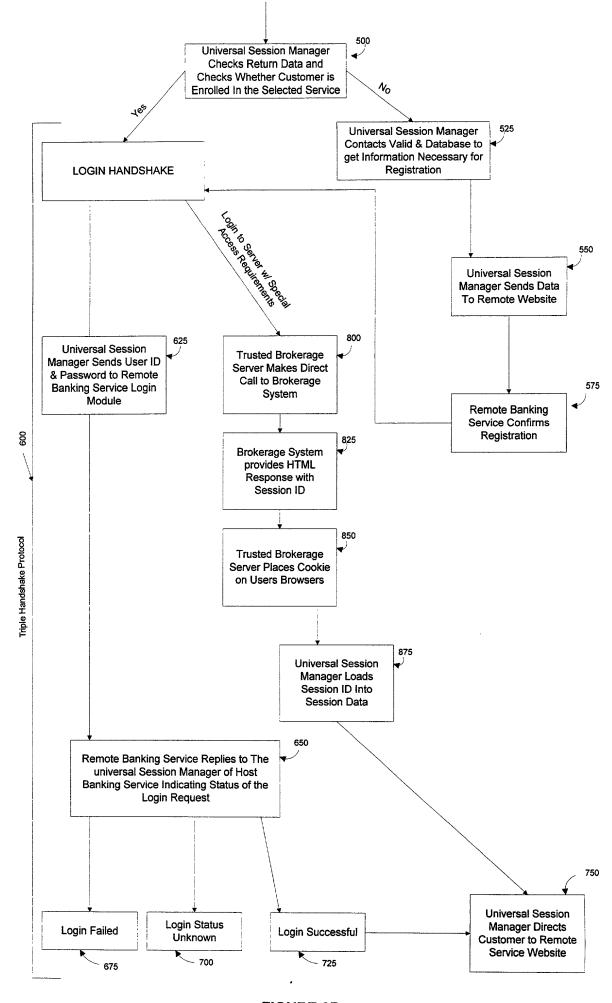


FIGURE 2B

| Lo | pq | In |
|----|----|----|
|    |    |    |

| Jsername: |                 |     |      |           |
|-----------|-----------------|-----|------|-----------|
| Password: | Note: Passwords | are | case | sensitive |

Log In Reset

# Did you forget your username or password? Do you need a new

# username and password?

For seamless access to your accounts, create a new user name and password using the same information (Social Security number, mother's maiden name, and birth date) that you used when you first registered.

Are you having trouble signing in?
If you're sure you're using the correct username and password, but you still can't log in, call 888-736-8611

# Are you new t

Learn more about who we are and our products and services.

Attempts at unauthorized access, actual unauthorized access or use of this site is not permitted and constitutes a crime punishable by law (18 USC 1030). Individuals who attempt unauthorized transactions will be subject to criminal and/or civil prosecution. We reserve the right to view, monitor, and record activity on the system without notice or permission. Any information obtained by WingspanBank.com is subject to review by law enforcement organizations in connection with the investigation or prosecution of possible criminal activity on the system. If you are not an authorized user of this system or do not consent to continued monitoring, please exit the system at this time.

# SELECT USERNAME AND PASSWORD

To begin the selection process, please enter the information requested below, then click on the *Submit* button.

| SSN or Tax ID:        | 999-99-9999 or 999999999 |
|-----------------------|--------------------------|
| Mother's Maiden Name: |                          |
| Date of Birth:        | MM/DD/YYYY or MMDDYYYY   |

By submitting this request, I understand and agree I am bound by the terms and conditions that govern my Accounts



Please call 1-888-736-8611 to receive additional copies of the terms and conditions specific to your account.



FIG 3B

#### JOINT DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names;

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled <a href="System And Method For Providing Customers With Seamless Entry To A Remote Server">Server</a>, the specification of which

|   | is attached h was filed on amended on  | <del>- , </del>   |               | on Serial Numb          | per and w  | 'as          |                             |
|---|--|---|---------------|-------------------------|--|--------------|-----------------------------|
|   | •  | that we have reviewed and u<br>nt referred to in this declarati |               | contents of th          | ne above identified specificati                                    | on, includir | ng the claims, as           |
| v<br>in 37 C.F.F  |  | the duty to disclose all inform                                 | mation known  | to us to be m           | aterial to the patentability of                                    | this applica | ation, as defined           |
| which became app  | ame available be   | •   |               |                         | to us to be material to patenta<br>onal or PCT international filin | •            | ·                           |
|   |  | ı   | Prior Foreign | Application(s           | ;)   |              |                             |
| V<br>Linventor's<br>date before   | We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: |   |               |                         |  |              |                             |
| Co  | ountry   | Application Number  | 1             | of Filing<br>nth, year) | Date of Issue<br>(day, month, year)                                |              | Claimed Under<br>J.S.C. 119 |
|   |  |   |               |                         |  | Yes 🖂        | No 🖂                        |
|   |  | <u> </u>  | 1             |                         |  | Yes 🗆        | No 🗆                        |
| State Control of the | Prior United States Provisional Application(s)  I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below   |   |               |                         |  |              |                             |
| Application Serial Number Date of Filing (day, month, year)   |  |   |               |                         |  |              |                             |

#### **Prior United States Application(s)**

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application Serial Number | Date of Filing<br>(day, month, year) | Status - Patented,<br>Pending, Abandoned |
|---------------------------|--------------------------------------|--|
|                           |                                      |  |
|                           |                                      |  |
|                           |                                      |  |
|                           |                                      |  |

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys, their registration numbers being listed after their names:

Thomas J. Scott, Jr., Registration No. 27,836; Stanislaus Aksman, Registration No. 28,562; James G. Gatto, Registration No. 32,694; Christopher C. Campbell, Registration No. 37,291; Henry C. Su, Registration No. 37,738; Brian M. Buroker, Registration No. 39,125; Charles F. Hollis, Registration No. 40,650; Jonathan D. Link, Registration No. 41,548; Kevin J. Dunleavy, Registration No. 32,024; Kevin T. Duncan, Registration No. 41,495; Charles B. Lobsenz, Registration No. 37,857; George Georgellis, Registration No. 43,632; Stephen T. Schreiner, Registration No. 43,097; Christopher J. Cuneo, Registration No. 42,450; Raphael A. Valencia, Registration No. 43,216; Scott D. Balderston, Registration No. 35,436; Steven P. Klocinski, Registration No. 39,251; Yisun Song, Registration No. 44,487; Registration No. 45,278; Jennifer A. Albert, Registration No. 32,012; Kerry Owens, Registration No. 37,412; Milan M. Vinnola, Registration No. P45,979; Devin S. Morgan, Registration No. P45,562; Andrew J. Ririe, Registration No. P45,979; Carl Benson, Registration No. 38,378; Scott F. Yarnell, Registration No. 45,245; and Thomas M. Blasey, Registration No. 33,475.

All correspondence and telephone communications should be addressed to Hunton & Williams, 1900 K Street, N.W., Washington, D.C. 20006-1109, telephone number (202) 955-1500, which is also the address and telephone number of each of the above listed attorneys.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Signature                                 |  |                                   | Date |                   |
|---|--|-----------------------------------|------|-------------------|
| Full Name of First Inventor Residence     | Rosko<br>Family Name<br>West Chester, PA | <b>Robert</b><br>First Given Name |      | Second Given Name |
| Citizenship Post Office                   | United States                            |                                   |      |                   |
| Address 25                                | Sheffield Lane West Chester, PA          | 19380                             |      |                   |
|   |  |                                   |      |                   |
| Signature<br>Full Name of<br>Second Inven |  |                                   | Date |                   |
| Full Name of                              |  |                                   |      |                   |
| Second Inven                              | tor Ampani<br>Family Name                | Kumar<br>First Given Name         |      | Second Given Name |
| Residence                                 | Audubon, PA                              |                                   |      |                   |
| Citizenship                               | India                                    |                                   |      |                   |
| Post Office<br>Address 150                | 6 Pintail Drive Audubon, PA 194          | 03                                |      |                   |
| Signature                                 |  |                                   | Date |                   |

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